

10

15 — 1000 Å InGaAs

21 — 1 μm InP

20 — 1000 Å InP

19 — 50 Å InGaAs $p = 5 \times 10^{17}$

14 — 250 Å InP $p = 6 \times 10^{17}$

18b — 800 Å 1.15 Q $p = 5 \times 10^{17}$

17 — 700 Å 1.24 Q undoped

16 — 50 Å QW undoped

17 — 100 Å 1.24 Q undoped

16 — 50 Å QW undoped

17 — 100 Å 1.24 Q undoped

16 — 50 Å QW undoped

17 — 700 Å 1.24 Q undoped

18a — 800 Å 1.15 Q $n = 5 \times 10^{17}$

22 — 5000 Å InP $n = 1 \times 10^{18}$

11 — n⁺ InP Substrate

13

Fig. 1

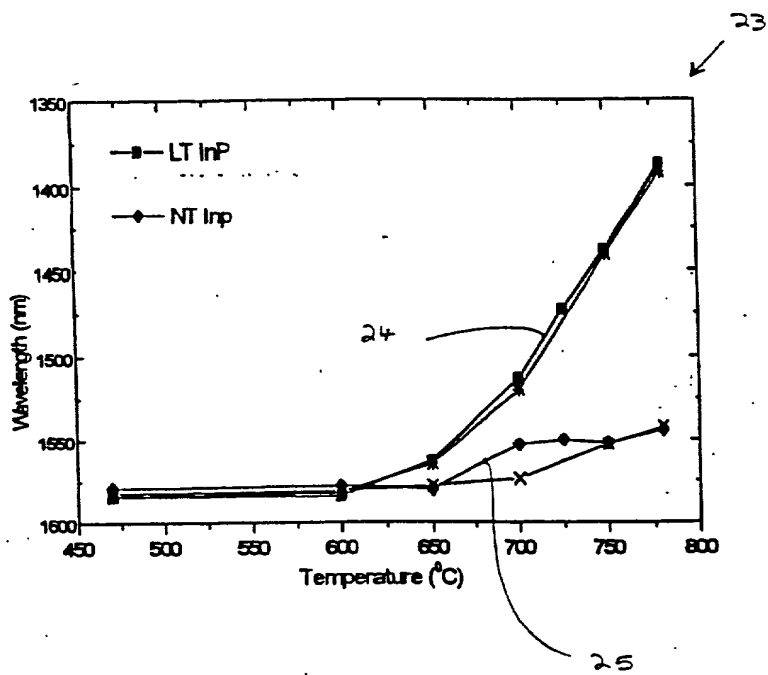


Fig. 2

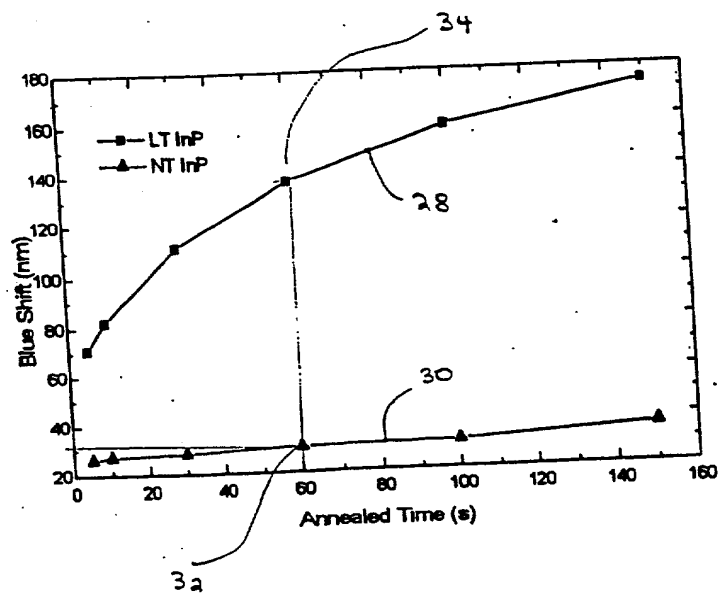


Fig.3

100

105	1000 Å	InGaAs
114	1 μm	InP
102	1000 Å	InP
112	InP (Helium-Plasma)	
108b	800 Å	1.15 Q $p = 5 \times 10^{17}$
107	700 Å	1.24 Q undoped
106	50 Å	QW undoped
107	100 Å	1.24 Q undoped
106	50 Å	QW undoped
107	100 Å	1.24 Q undoped
106	50 Å	QW undoped
107	700 Å	1.24 Q undoped
108a	800 Å	1.15 Q $n = 5 \times 10^{17}$
110	5000 Å	InP $n = 1 \times 10^{18}$
120	n^+ InP Substrate	

Fig 5a

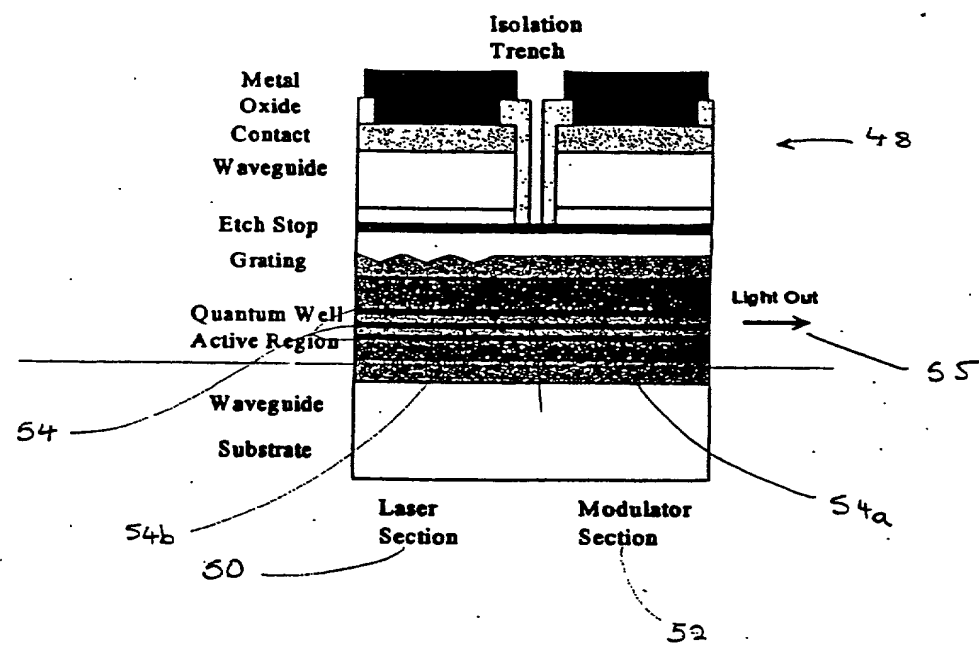


Fig. 5b

56

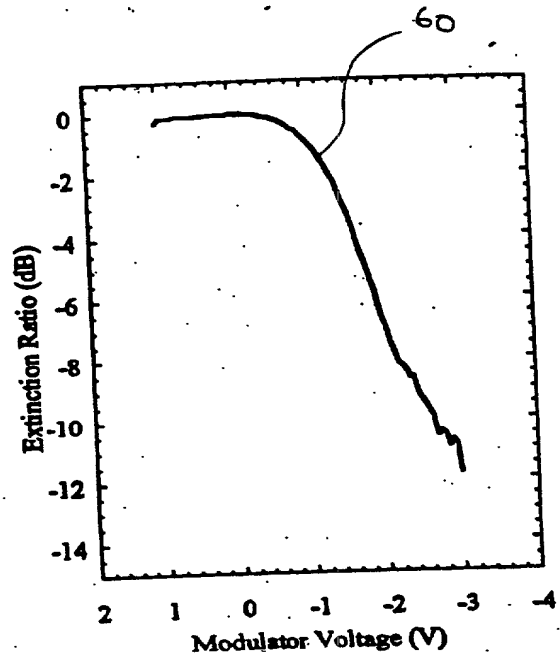


Fig. 6